

Suppose
YOU
Were
Blind

Supone
Cu BO
Ta Ciego



JOHN W. HODGSON, Lago's Safety Adviser, tells about his experiment in blindness.

JOHN W. HODGSON, consehero di Seguridad di Lago, ta conta su experimento como hende ciego.

A Few Moments of Caution A Lifetime of Happiness

I'm a safety adviser.

Part of my job is to tell people about the importance of wearing personal protective equipment when a job requires this.

I have often advised people to wear safety goggles, explaining to them the terrible misfortune of being blind.

The other day I decided to find out for myself just how handicapped a blind person is. I painted a pair of goggles black and tried to do some of the simple, everyday things.

Believe me, you'll never know just how difficult it is to do some of the easiest and simplest things without your sight..... little things like putting on your shirt, or getting a drink of water.

Sure, I've been talking to people about the importance of wearing safety goggles whenever there is the slightest hazard to the eye, but even I never fully realized just how precious my eyes are to me.

After the experience I went through, I decided that they deserve the best protection I can give them. The few seconds it takes to put on a pair of safety goggles are well worth the years of happier living.

I'm sold more than ever before on the value of safety goggles.

But, maybe because I'm a safety adviser the thing that worried me most was..... YOU!

What about you? Are you taking chances with your future health and happiness by neglecting to wear eye protection?

What would you do if you were blind?

On page 3 you'll see what happened to me when I tried the blindness test.

Cinco Ta Avanza Den Plant Protection Pa Un Mehor Puesto Efectivo Maart 1

Cinco promocion a worde anuncia luna pasá den Plant Protection Division. Frederick V. Brooks a hanja promocion pa Teniente di poliz, y Jacinto Harms, Thomas E. Martis, Claude L. Peterson y Herman J. Statius a bira sargento door di nan promocion. Tur e promocionnan ey ta efectivo dia 1 di Maart 1966.

Sr. Brooks a cumpli casi 12 anja di servicio cu Lago Police, caminda el a start na Maart 1954, como Patrolman Trainee. El a bira sargento na December 1963. Fuera di oranan di trabao Sr. Brooks ta gusta bai piscar. E ta casá y tin 2 yiu homber.

Promer cu el a recibi su promocion, Sr. Harms tabata corporal for di December 1963. El a cuminsa cu Lago como Student 1-B den departamento di Relacion Industrial na September 1952; el a gradua di Lago Vocational School na anja 1956. Despues el a traha casi cuater anja den Process-Utilities promer cu el a pasa pa Lago Police como Patrolman-Trainee na Juli 1959. Como pasatempo e ta hunga futbol y ta piscar.

Sr. Martis a cuminsa su carrera cu Lago Police na Maart 1954, despues di a traha siete anja cu Esso Transportation Company. Ya e tin 12 anja cumpli cu Lago Police. El a hanja promocion pa corporal na Juli 1963. Despues di oranan di trabao Sr. Martis ta traha den su cunucu.

Sr. Peterson a cuminsa su empleo cu Lago den Departamento Medico na luna di Maart 1949. Na Januari 1954 el a pasa pa Lago Police. Promer cu su promocion di luna pasá e tabata un corporal desde Juli 1963.

Sr. Statius a pasa tur su diez-tres anjanan di servicio cu Lago Police, caminda el a cuminsa como patrolman trainee. Na Ju-

li 1963 el a avanza den puesto y a bira corporal, cual puesto e tabata ocupa antes di su promocion di luna pasá.

Employees Can Apply Now For Instrument Training; Course Lasts One Year

Lago will start an advanced instrument course in the near future using programmed materials. All employees are eligible to apply for the training. Candidates will be tested and selections will be based on aptitude for learning and present job performance.

One-Year Training

The course lasts about one year. Classroom instruction will be given in advanced electronics, chemistry, physics and advanced mathematics. Special equipment will be used in the training.

The instrument training will enable future instrumentmen to handle the more sophisticated, analytical equipment now being used on the process units.

To apply for training, interested employees should contact their supervisor. Supervisors will make arrangements for interviews and tests through Program Coordinator J. J. R. Beaujon on phone 2424 or T. O. Lucas, phone 2048.

June First Is Deadline To Turn In Applications For Lago Summer Training

For the 12th consecutive year, Lago will offer on-the-job summer training to college students. The program runs from June 27 to August 19, 1966. Applications must be turned in before June 1. Forms are now available at the Training Division.

The program is open to children of Aruba residents who are enrolled at an accredited college. They must have successfully completed at least one year of college. Applications will be handled on a first-come, first-served basis depending on available job training openings.

Because of the limited opportunities, enrollment preference will be given to Aruban students to the extent possible.

A student grant-in-aid of Fls. 225 per four-week period will be provided.

The program's objective is to provide actual job experience in the student's major area.



F. V. Brooks

Five March Forward To New Positions In Plant Protection Effective March 1

Five promotions were announced last month by the Plant Protection Division. Frederick V. Brooks moved up the ranks to Police Lieutenant and Jacinto Harms, Thomas E. Martis, Claude L. Peterson and Herman J. Statius advanced to Police Sergeants. All these promotions were effective March 1, 1966.

Mr. Brooks has spent nearly 12 years of service in Lago Police where he started in March, 1954 as a Patrolman Trainee. He had been a Police Sergeant since December, 1963.

Mr. Brooks spends his free time fishing. He is married and has two sons.

Prior to his recent promotion, Mr. Harms had been a corporal since December, 1963. Starting as a Student 1-B in Industrial Relations in September, 1952, he graduated from the Lago Vocational School in 1956. He subsequently worked for almost four years in Process-Utilities before transferring to Lago Police as a patrolman trainee in July, 1959. His hobbies include soccer and fishing.

(Continued on page 2)



J. Harms



T. E. Martis

Are You Moving?

Annuitants and others receiving the Aruba Esso News and Lamp Magazine: To ensure uninterrupted delivery, remember to send your new address to the Aruba Esso News Office in G.O.B. as soon as possible.

Bo Ta Muda?

Esnan cu pensioen y otro nan cu ta recibi Aruba Esso News y Lamp: Pa segura cu bo no ta falta ningun edicion, corda di manda bo adres nobo pa oficina di Aruba Esso News den Oficina Mayor mas pronto posible.

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Hydrocracking Process Operating Now At Humble Oil Refinery In Montana

A Standard Oil (New Jersey) hydrocracking process, considered the most efficient in converting heavier petroleum liquids into high quality motor gasolines, went on stream for the first time in July at the Billings, Mont., refinery of Humble Oil & Refining Company, an affiliate.

The process, which has attracted industry-wide interest, is known as Unicracking-JHC. The letters stand for Jersey Hydrocracking. Esso Research developed the process in cooperation with Union Oil Company of California.

Commercial use of the process has started at a time when the oil industry foresees at least a 25 per cent increase in the demand for gasoline by 1972, when an estimated 26 million more cars will be on the roads. Refineries expect hydrocracking to help them raise even higher the percentage of petroleum that they can turn into gasoline.

An unusual feature of the new unit is its ability to turn 100 barrels of feedstock into 120 barrels of gasoline stocks. The unit produces more by simultaneously cracking the feedstock and combining this cracked material with hydrogen.

The new process uses improved catalysts that allow reduced pressures and economically feasible operations. It also uses cheap hydrogen-rich gases, which are available in growing

quantity as the by-products of other modern refinery processes.

The hydrocracker takes stubborn petroleum fractions that resist catalytic cracking and heats them to temperatures ranging from 500 to 800 degrees Fahrenheit. Then it mixes these fractions with hydrogen-rich gas, squeezes them to pressures of 500 to 2,000 pounds and brings them in contact with an extremely active catalyst.

During this treatment several chemical reactions take place that crack and break up the relatively large hydrocarbon molecules of the heavier petroleum fractions and rearrange them in the more valuable, smaller and lighter molecules of gasoline.

The affiliate company started up a second Unicracking-JHC unit at Baton Rouge, La., late last year. A third unit will be built at Baytown, Texas, by the middle of this year. Esso Research and Union Oil have recently granted the Atlantic Refining Company a license to use the new process in a Unicracking-JHC hydrocracking plant it will build.

Proceso "Hydrocracking" Ta Operando Na Refineria Di Humble Na Montana

Un proceso di hidrocrackeo, propiedad di Standard Oil (New Jersey) cual proceso nan ta considera como esun di mas eficaz pa cambia liquidonan pisá di petroleo den gasolin di alta calidad pa motor, a start na Juli 1965 na e refineria di Billings, den Estado Montana di Merca. E refineria su donjo ta Humble Oil & Refining Company, cual ta un afiliado di Standard Oil.

E proceso aki, cu ta recibiendo atencion general di industria petrolera, jama Unicracking-JHC. E letterman kier meen Jersey Hydrocracking. Esso Research, e grupo di investigacion científico di Esso, a desarolja e proceso en cooperacion cu Union Oil Company di California.

Uso comercial di e proceso aki a cuminsa na un tempo cu industria petrolera ta pronostica un aumento di por lo menos 25 por ciento den demanda pa gasolin na anja 1972, ora tin mas o menos 26 miljon auto mas riba caminanan. Refinerianan ta spera cu hidrocrackeo lo yuda nan aumenta mas y mas e porcentahe di petroleo cu nan por cambia na gasoline.

Un aspecto incomun di e unidad nobo aki ta cu e por cambia 100 bari di zeta cu ta bai den su fogon, na 120 bari di gasolin. E unidad ta produci mas pasobra hunto cu crackeo di e zeta cu nan ta manda den e planta, e ta combina hidrogeno cual ta den aire.

Eproceso nobo ta usa catalizador di mior calidad cual ta permiti presionnan menos haltu, y operacion di planta cu ta economico. Tambe e ta usa gasnan

barata jen di hidrógeno, cual ta disponibel na cantidad mas grandi como un producto auxiliar di otro procesonan moderno pa refina petroleo.

Eplanta di hidrocrackeo ta tuma fraccionnan di petroleo cual ta resiste crackeo catalítico, y ta keinta nan te temperatura nan entre 500 te 800 grado Fahrenheit. Luego e ta mezcla e fraccionnan ey cu gas jen di hidrógeno, e ta comprimi nan te presion di 500 te 2000 liber y ta pone nan na contacto cu un catalizador mashar activo.

Durante e tratamiento aki varios reaccion química ta tuma lugar, cual ta kraak e moleculanan grandi di hidrocarbon den e fraccionnan pisá, y ta haci un cambio d ennan cu nan ta bira awor e moleculanan mas chiquito y mas liher di gasolin.

E compania afiliá a start un di dos planta di Unicracking-JHC na ciudad di Baton Rouge, Estado Louisiana na fin di anja pasá. Un tercer planta lo cuminsa funciona na mitar di anja 1966. Esso Research y Union Oil poco dia pasá a duna na Atlantic Refining Company permiso pa usa e proceso nobo aki den un planta Unicracking-JHC cu nan lo construi.

Fecha Final Pa Entrega Peticion Pa Estudiante Train na Lago Ta Juni 1

Pa e di 12 anja tras di otro, Lago lo ofrece estudiantenan di colegio oportunidad pa hanja entrenamiento den planta, of oficina. E programa lo tuma lugar di 27 juni te 19 augustus 1966. Peticion pa participa mester ta den man di compania promer cu Juni 1. Ya caba formularionan ta obtenibel na Training Division.

E programa ta na disposicion di yunan di hendenan bibá na Aruba, kende ta studiando na un colegio reconocí. Nan mester a cumpli cu por lo menos anja di colegio cu exito. E peticionnan lo worde tratá riba base di esun cu yega promer ta hanja promer chens, dependiendo di e oportunidadnan cu ta disponibel den e programa di training.

Pasobra oportunidadnan ta limitada, preferencia lo worde duná na estudiantenan Arubano asina leuw cu ta posibel.

Estudiantenan cu ser aceptá pa e programa lo reciби como ayudo den nan entrenamiento un suma di f. 225.— pa cada cuater siman.

Obheto di e programa aki ta pa duna estudiantenan experiencia efectivo na trabao, den e ramo principal di nan estudio.

Process Training Starts For Oil Movements Men

Early this month, an accelerated process training program began for some 220 men of Oil Movements. Every three weeks a new group of 12 employees of the Division will start the course. Charged with the program are Joe D. Midwikis, process training advisor, and Trev J. Rhydderch, training coordinator for Oil Movements.

The program is intended to increase the process know-how of the Oil Movements personnel. Although they are not working in refinery units, they must be familiar with their process functions. They should also have some knowledge of chemistry, shipping and specifications.

The training, which is given from 7 a.m. to 4 p.m. in the Administration Building, consists of classroom instruction with some field practice.

FIVE PROMOTIONS

(Continued from page 1)

Mr. Martis began in Lago Police in March, 1954, after seven years with Esso Transportation Company. He has twelve years with the Lago Police. He was promoted to corporal in July, 1963. Off the job, Mr. Martis dedicates his time to farming.

Mr. Peterson began his Lago service in Medical in March, 1949. He transferred to Lago Police in January, 1954. Prior to his recent promotion, he had been a corporal since July, 1963.

Mr. Statius spent all his thirteen years of service in Lago Police, where he started as a patrolman trainee. He was promoted to corporal in July, 1963, the post he held before his March 1 promotion.

Mr. Statius is married and has three children.



C. L. Peterson



H. J. Statius

Cornelia Sloterdijk Tops List of Fifteen Winners Of March CYI Awards

The creative mind of women helps men in many ways. At Lago, it is seldom, though, that a woman's idea is useful to men working in the refinery. Her ideas would ordinarily concern office improvements.

This was not so with Mrs. Cornelia Sloterdijk of G.O.B.'s Central Library. In her work she handles various magazines. In one, she came across a cooling unit that could be used when working in areas with extreme heat. A few pieces of this new equipment, called personnel cooling unit, were ordered on her suggestion. They proved to be valuable.

Mrs. Sloterdijk heads the list of CYI winners for March with her f 65 award. Sixteen ideas which earned total awards of Fls. 545 were adopted last month.

The other CYI award winners for March are:

Hendrik van der Kuyp, Process-Oil Movements, Fls. 60.—

Juan Yarzagaray, Process-Refining, Fls. 45.—

Edward C. R. Leypold, Process-Refining, Fls. 35.—

S. Ridderstap, Plant Protection, Fls. 35

R. Werleman, Mechanical-Machinist, Fls. 35

Charles L. H. Marugg, Process-Refining, Fls. 35 and Fls. 30

Pascual P. Vrolijk, Process-Oil Movements, Fls. 30

Angel F. Croes, Mechanical-Instrument, Fls. 25

Lucas D. Geerman, Mechanical-

Instrument, Fls. 25

Antonio L. Gibbs, Mechanical-Instrument, Fls. 25

Ferdinand R. Lo-Fo-Sang, Mechanical-Electrical, Fls. 25

Bernard Vrolijk, Mech.-Building & Services, Fls. 25

Eddy Wijdh, Process-Oil Movements, Fls. 25

Arvino G. Zeppenfeldt, Comptroller's, Fls. 25.

Training di Process Ta Cuminza Pa Empleadonan Di Process-Oil Movements

Na cumintamento di e luna aki un programa acelerá di entrenamiento den process a cuminsa pa 220 empleado di Oil Movements. Cada tres siman un grupo nobo di 12 empleado di e division ey ta cuminsa tuma e curso.

Encargá cu e programa ta Joe D. Midwikis, consehero di entrenamiento pa process, y Trev J. Rhydderch, coordinador di entrenamiento pa Oil Movements.

Obheto di e programa ta pa mehora conocimiento di trabao den process di esnan cu ta traha den Oil Movements. Aunque e hendenan aki no ta traha cu planta di refinacion, nan mester sabi com e plantanan ey ta traha. Nan mester tin algun conocimiento di química, transportacion pa medio di bapor y especificacion di zeta.

E lesnan cu ta worde duná di 7 'or di mainta te 4 'or di atardi den Administration Building ta consisti di instruccion den klas y tambe algun practica den planta.

Schedule of Paydays

Semi-Monthly April 26

Monthly & Semi-Monthly May 11



Oil Movements class follows three-week process training in Administration Building.

Klas di Oil Movements ta sigui training di process pa tres siman den Administration Building.

One "Blind Man's" Experiment May Help You "See The Light"



LIGHTS ARE no help to a blind man.
LUZ NO tin ningun balor pa un hende ciego.



MIRRORS, TOO, are useless to the blind.
SPIEL TAMPOCO no ta sirbi pa nada pa un ciego.



LIGHTING A cigar without burning my fingers was quite a strain. Somehow, too, they didn't taste right. CENDE CIGA sin kima mi dede ta otro esfuerzo sin fin. Pero toch, mi no a goza mi cigá.



WALKING AND getting a drink of water is also not without problems.



CANA Y busca poco awa pa bebe tambe a trece su problema.

Supone Cu BO Ta Ciego

Pa: John W. Hodgson

Mi ta un consehero di seguridad.

Parti di mi trabao ta pa bisa hende com importante ta pa nan usa equipo pa proteccion personal ora e trabao cu nan ta haci ta existi esey.

Hopi bez mi a conseha hende di bisti bril di seguridad, mi a splica nan con grandi mala suerte ta di un hende cu ta ciego.

Poco dia pasá mi a decidi di mira pa mi mes com strobá un hende cu ta ciego ta hanja su mes. Mi a verf un bril preto y despues mi a trata di haci algun cos simpel, cos cu nos tin di haci tur dia bay.

Kere mi, nunca bo por sabi com difcil ta di haci e cosnan di mas facil cu tin of di mas simpel cu ta existi sin bo wowonan... cos simpel manera bisti bo camisa, of bebe un glas di awa.

Sigur no, mi tin costumber di bisa hendenan com importante ta pa nan bisti bril di seguridad ora tin e mas minimo riesgo pa nan wowonan; pero nunca mi a realiza com precioso wowo di hende ta.

Despues di e experiencia cu mi a pasa, mi a decidi cu mi wowonan mester tin di e mehor proteccion cu mi por duna nan. E dos of tres seconde cu ta tuma pa bisti bo bril di seguridad ta bal e anjanan di un bida cu mas felicidad.

Awor mas cu nunca mi ta convenci di e balor cu mi bril di seguridad tin.

Pero, como mi ta un consehero di seguridad, e persona cu mi ta mas preocupa pé ta... ABO!

Y com cos ta cu bo mes? Bo ta tuma algun chens di perde bo felicidad futuro y bo propio salú ora bo falta di bisti bril di seguridad?

Kiko lo bo haci ora bo ta ciego?

Mira ariba e pagina aki kiko a pasa mi ora mi a haci algun prueba cu mi mes, haciendo manera mi tabata ciego.

Sra. Sloterdijk Na Top Di Lista di 15 Ganador Di CYI Pa Luna di Maart

Cerebro creativo di un hende muher ta yuda hende homber na hopi manera. Na Lago rara bez idea di un muher ta yuda hombernan cu ta traha den planta. Generalmente su ideanan lo ta tocante mehoracion pa oficina.

Esey no tabata e caso cu Señora Cornelia Sloterdijk, cu ta traha den libreria central di Oficina Grandi. Su trabao ta trece cu e ta mira cantidad di periodico. Den un di nan el a mira un aparato pa fria aire, cual por worde usá pa hende cu tin cu traha den lugar masha calor. Compania a compra algun di e aparatonan aki cu yama "personnel cooling unit" — esta mashin pa fria aire pa hende, riba su sugerencia. A resulta cu nan ta masha bon pa trabao.

Sra. Sloterdijk awor ta na cabes di e lista di ganadornan di premio CYI pa luna di Maart cu su premio di f 65. Dieciseis ideanan a gana un suma total di f 545, pa ideanan cu a worde

aceptá luna pasá.

E otro ganadornan di premio CYI di Maart tabata:

Hendrik van der Kuyp, Process-Oil Movements, f 60.—

Juan Yarzagaray, Process-Refining, f 45.—

Edward C. R. Leypold, Process-Refining, f 35.—

S. Ridderstap, Plant Protection, f 35

R. Werleman, Mechanical-Machinist, f 35

Charles L. H. Marugg, Process-Refining, f 35 y f 30

Pascual P. Vrolijk, Process-Oil Movements, f 30

Angel F. Croes, Mechanical-Instrument, f 25

Lucas D. Geerman, Mechanical-Instrument, f 25

Antonio L. Gibbs, Mechanical-Instrument, f 25

Ferdinand R. Lo-Fo-Sang, Mechanical-Electrical, f 25

Bernard Vrolijk, Mech.-Building & Services, f 25

Eddy Wijdh, Process-Oil Movements, f 25

Arvino G. Zeppenfeldt, Comp-troller's, f 25.



DIALING ON the phone also presents a problem. I had a tough time trying to recall where the numbers were.

YAMA NA telefon ta otro problema. Mi a pasa trabao pa corda unda e numbertan ta keda.



I EVEN had difficulty drinking a cup of coffee. Each time I moved my hands I was afraid I would either spill or knock something over.

UN KOPPI di koffie tabata asina difcil pa mi bebé. Cada bez cu mi move mi mannan mi tabatin miedo di plama koffie of tira algu abao.

There is always a better and safer way.

Protect Your Eyes!



NEWSPAPERS, MAGAZINES and books were useless. Although my 2½-year-old son tried to tell me about the pictures, it wasn't the same as seeing them myself.

CORANT, PERIODICO y buki, no ta sirbi mi pa nada. Aunque mi yiu di 2½ anja ta contando mi com e portretnan ta, no ta mescos cu ora mi mes por mira nan.



HOBBIES I enjoy, like movie making, were naturally impossible for me.

PASATEMPO CU mi ta gusta, manera saca film, tabata naturalmente imposibel pa mi haci.



FOR SIMPLE jobs like changing a bulb I now have to ask the assistance of my wife.

UN COS simpel manera cambia un bombiljo di luz, ta mi casá mester yuda mi.



HERE ARE two good reasons for wearing safety goggles.

MIRA AKI dos bon motibo pa bisti bril di seguridad.



REMEMBER, A blind man sees nothing but this.

NO LUBIDA, tur loke un hende ciego ta weita ta esaki.

Interested In Personal Success? Library Has This Book And Others

A library is a place to search in... a place to learn in... a place worth walking to...

Lago's Central Library, located in the General Office Building, offers to all Lago employees books on technical and non-technical subjects, company reports, manufacturers' catalogs and some thirty different periodicals. It is open during normal working hours.

A library is a place to search in...

For employees starting a new assignment, the Central Library's technical report file provides information on similar work done elsewhere. Its dictionaries, handbooks, almanacs, atlases, etc. are important reference tools and its catalogs supply valuable information on equipment, materials or supplies which are to be ordered. Its periodicals play a significant role in keeping employees up-to-date on the latest advancements in technology.

Ordering New Books

Any employee who feels he needs a specific book for his job can fill out a requisition form which is available in the library. After the request is signed by his department manager, the book is ordered.

A library is a place to learn in...

In addition to technical books related to the oil industry and the engineering professions, there are books on subjects like:

COMMUNICATION, which teaches the reader how to get his ideas across, how to understand people and the drives that motivate them.

MANAGEMENT DEVELOPMENT, which stimulates the reader in his analysis of the needs and challenges which lie ahead.

VOCATIONAL GUIDANCE

Lago Employees Maintain 0 Frequency Rate During First Quarter of 1966

During the first quarter of 1966, employees have maintained a perfect record with no disabling injuries. In the first quarter of last year, the frequency rate was 2.32.

In non-disabling industrial injuries, seven departments or divisions also hold a zero frequency rate for the first quarter. They are: Executive Office, PR/IR, including Seroe Colorado Schools; Plant Protection Division; Engineering Division and Materials Division of Mechanical Department; Operations Coordination of Process Department; and Process, Economics & Planning of Technical Department.

AND EDUCATION, which describes instructional programs and give necessary information on the liberal arts and sciences leading to higher degrees in universities.

ECONOMICS, which gives an understanding of the laws of distribution, production and consumption of wealth. It provides a solid basis for the plans and discussions necessary in today's complex world.

EFFECTIVE SPEAKING, which shows the reader how to spark what he says with vitality, aliveness and enthusiasm.

MEETINGS, which tell the reader how to plan a meeting; how to make it click; how to be master of the meeting.

CREATIVITY, which brings together the principles and procedures of creative thinking.

PERSONAL SUCCESS, which helps the reader discover what he wants out of life and how to go about getting it.

PERSONAL FINANCE, which gives advice on personal saving, investment, insurance and finance.

READING, which shows how to read more efficiently; how to understand difficult reading material; and how to strengthen one's memory.

Yes, the Lago Central Library is worth walking to...

Empleadonan Ta Mantene Frecuencia Zero Durante Promer Cuartal di 1966

Durante e promer cuartal di 1966, empleadonan a mantene un record perfecto sin ningun desgracia cu ta stroba un empleado di traha. Den e promer cuartal di aña pasá e frecuencia tabata 2.32.

En cuanto na heridanan cu no ta stroba un hende di traha, 7 departamento of division a mantene un record di ningun desgracia durante e promer cuartal. Eseyan ta: Executive Office, PR/IR cual ta inclui schoolnan di Seroe Colorado; Plant Protection Division; Engineering y Materials Division den Mechanical Department; Operations Coordination den Departamento Process; y Process, Economics & Planning di Technical Department.

Esso Research Ta Colecta Mas Awa Usando Asfalt

Un prodimento introduci door di Esso Research & Engineering Company pa colecta awa despues di un awacero haciendo uso di asfalt a resulta cu nan a colecta 20 bez mas awa na e lugar caminda nan ta test cohete na White Sands, den estado New Mexico di Merca. Eynan e promer testnan a worde haci na gran escala.

Sesenta porciento di e awa cu a cai for di cielu a worde colecta y usá na un pida tereno di nueve bunder, cual nan a cubri cu asfalt barata; compara cu tres por ciento cual a worde colecta na un tereno di nueve bunder cu no a worde cubri cu asfalt.

Ministerio di Interior di Merca a reconoce e éxito di e método aki pa colecta awa, cual ta ofrece mas cantidad di awa na hopi di e teritorionan di mundo cu ta sufrí di segura of cu no tin basta awa.

Test Geológico

E departamento di investigación geológico di e Ministerio ta bisa cu e test "a proba cu ta posibel pa tapa tera di tal manera cu awa no ta pasa door di e asfalt..... esey ta permiti hende colecta gran cantidad di awa despues di un awacero cual den otro caso ta solamente muha tera y ta evapora y bai perdi".

E investigación geológico a bisa tambe cu e awa colecta di tal manera por worde poní bek den tera pa medio di pos, y haciendo esey nivel di awa den tera ta subi, of e awa por worde usá mes ora.

Esso Research a cuminsa e experimento aki anja pasá cooperando cu e departamento di investigación geológico di Ministerio y e ingeniero cu ta traha na e campo di prueba na White Sands. Un tereno nan a laga den su estado natural y e otro tereno a worde rosá y despues nan a spruit un capa di asfalt riba djé.

Aparatonan automatico cu ta nota cuanto awacero a cai a midi cuanto awa di e caida anual di awacero — cual ta mas o menos ocho duim — a worde colecta den e posnan di cada pida tereno.

Resultadonan a proba cu e parti cubrí cu asfalt a recohe 130,000 galon di awa pa anja. Mayoria di e awa cu a cai riba e tereno sin asfalt a evaporá of a worde chupá pa e yerba di poco balor.

- Ventahanan -

E resultadonan potencial di uso di tera cubrí cu asfalt ta inclui tera habrí na campo, mas awa pa riunan y mas awa disponibel pa esnan cu ta usa awa (Continúa na pagina 6)



ONE... TWO... THREE... TUG! When the Esso Oranjestad was out of commission recently, the government tug Arikok was chartered to assist the Esso San Nicolas in harbor operations.

UN... DOS... TRES... HALA! Durante e dianan cu Esso Oranjestad a worde drecha, Lago poco dia pasá a huur e tug Arikok di Gobierno pa asisti Esso San Nicolas den su trabao cu bapornan.

Bo Ta Interesa Den Exito Personal? Libreria Tin E Buki Ey Y Hopi Otro

Un libreria ta un lugar pa busca informacion aden... tambe un lugar pa sinja... tambe un lugar cu ta bal un bishita.

Libreria Central di Lago ta situá den General Office Building. E ta ofrece empleadonan di compania baki riba tereno tecnico y no-tecnico, informenan di compania, catalog di fabricantenan, y trinta diferente periodico. Generalmente e ta habrí durante oranan di trabao.

Un libreria ta un lugar pa busca informacion aden...

Pa empleadonan cu a cabá di start un trabao nobo, e informenan tecnico cu ta den Libreria Central ta presenta informacion tocante com e trabao ey ta worde haci na otro parti. Su diccionario, buki di gía, almanac, atlas, etc. ta ayudonan importante pa bo referi na nan pa informacion; y su catalognan ta duna bo informacion di importancia tocante equipo, material cu mester worde pidi. Su periodiconan ta di hopi balor pa tene empleadonan al corriente di e ultimo progreso den ciencia tecnologico.

Cualquier empleado cu mester di algun buki particular, por yena un formulario cual e por hanja den libreria. Despues cu e peticion a worde aprobá pa gerente di su departamento, compania ta orde e buki.

Un libreria ta un lugar pa sinja...

Fuera di e bukinan tecnico cu ta relacioná cu industria petrolero y profesionnan di ingenieria, tin buki riba topico manera esunnan aki:

COMUNICACION, cual ta sinja e lector com ta splica otro hende su ideanan, com ta comprende hende y motibonan cu ta pone hende pensa asina.

DESAROLJO DI GERENCIA, cual ta stimula e lector den su análisis di necesidadnan y desafionan pa su mes cu ta presenta den futuro.

CONSEHONAN PROFESIONAL Y EDUCACION, cual ta duna descripcion di programa di ensenanza y ta duna informacion tocante artenan liber y ciencianan cual ta conduci na gradonan mas haltu na universidadnan.

ECONOMIA, cual ta splica bo leynan di distribucion, produccion y consumo di riqueza. E ta duna bo un base solido pa planan y discusionnan cu ta necesario awendia den e mundo complica cu nos ta den.

PAPIA CU EFECTO, cual ta sinja e lector com e mester papia cu brio, y pone vitalidad y entusiasmo den loke e ta papia.

REUNIONNAN cual ta sinja e lector com ta organiza un reunion, com ta poné bira un exito y con ta dirigi e reunion.

CREATIVIDAD cual ta uni e principian y prodimentoonan pa un hende pensa y crea cosnan nobo.

EXITO PERSONAL, ta yuda e lector descubri loke e ta desea di su bida, y kiko e mester haci pa alcanza su deseo.

FINANZA PERSONAL, ta duna conseho com un hende mester spaar placa, inverti placa, tin aseguro y com ta traha cu placa.

LEZA, ta sinja bo com bo por leza cu mas efecto; com ta comprende cosnan difícil cu bo ta leza den buki; y com bo ta fortifica bo memoria.

Realmente, Libreria Central ta bal pa bo haci un bishita.

NEW ARRIVALS

January 14
Van Der BIEZEN, Nemencio - Comptrollers; A daughter, Marcia Mirlangela

January 15
GOMEZ, Rosendo - Oil Movements; A son, Benito Rosendo

January 17
MILTON, Luvie A. C. - TD-Lab 1; A son

January 19
MacDONALD, Rudy H. - TD-Eng.; A son, Carlo Anthony

January 23
ARRINDELL, James E. - Metal Craft; A daughter, Mirna Elizabeth

January 24
GEERMAN, Ricardo S. - Refining; A daughter, Ricarda Marcolina

January 25
TROMP, Emiliano - Refining; A daughter, Mirla Eileen

January 25
ANTHONY, Saturnino C. - Oil Move-

ments; A daughter, Martina Altagracia

January 28
KENNEDY, Bertus - Medical; A son, Bertus John

January 31
EVERON, Dominico - Yard; A daughter, Beatrix Siria

February 2
KOCK, Fernando - Oil Movements; A daughter, Irina Carolina

February 3
MURPHY, Charles P. - Lago School; A son, Thomas Charles

February 3
WERLEMAN, Emitterio - Mech. Admin.; A daughter, Irina Evarista

February 4
KUSMUS, Amado E. - Refining; A son, Pernel Moises

February 4
BOEKHOUDT, Alejandro F. - Refining; A daughter, Maria Maritsa

February 6
LESTER, Gerald D. - Lago School; A son, Jay Barr

February 7
FINGAL, Salomon - Refining; A son, Dennis Arturo

February 9
BOEKHOUDT, Alphonso - Yard; A son, Nivardo Ricardo

February 9
KOOLMAN, Herry - Yard; A daughter, Adelina Verna

February 11
THIEL, Egidio - Metal Craft; A son, Franklin Saturnino

February 17
BEAUJON, Everett A. B. - TD Eng.; A daughter, Jennifer Jeunesse

February 18
THIEL, Julian A. - MC Pipe; A daughter, Brenda Lucresia

February 19
MADURO, Frans L. - Instrument; A daughter, Lorena Delfina

February 20
THIJSEN, Juan N. - Refining; A son, Norman Alvaro

February 20
LOEFSTOK, Esteban - Yard; A daughter, Clea

February 27
TROMP, Juan F. - Refining; A daughter, Theresita Casimira

March 5
SAND, Max - Instrument; A son, Max

March 6
MULLER, Ernest G. - Plant Protection; A daughter, Patricia Zoraida

March 6
CHRISTIAANS, Marcolino - Metal Craft; A daughter, Eveline Coleta

March 7
RASMIJN, Pedro - Plant Protection; A daughter, Perpetua Aviela

March 8
FIGAROA, Rochus H. - Oil Movements; A son, Franklin Marcelino

March 12
GIEL, Luis D. - Carpenter; A son, Roland Luisito

March 13
THIJZEN, Nicolas - Oil Movements; A son, Dennis

March 13
WERLEMAN, Mario - Refining; A daughter, Elizabeth Ombra

March 16
BARENO, Alfredo - Instrument; A daughter, Sharien

March 24
ZIEVINGER, Clemente - Laboratory; A daughter, Helen Suzie

March 26
KOCK, Mario - Oil Movements; A daughter, Mariana Magdalena

March 26
BEUKENBOOM, Elso C. M. - Ref. Division; A daughter, Lisette Miguelina

March 27
JACOBS, Miguel - Storehouse; A son, Ruperto Juan

March 28
CROES, Gabriel - Ref. Division; A daughter, Marieta Maria

March 30
TROMP, Mateo A. - Ref. Division; A daughter, Marcia Jessica

March 30
CICILIA, Jose C. - Mech.-Weld. & L.B.; A son, Oswald Orlando

March 30
THONISSEN, Kathleen J. - Hospital; A son, Miguel Cerillo



THE REWARD for Roro Hernandez' 4½ years of study was a degree in mechanical engineering. He now works in Materials Division.

E RECOMPENSA pa Roro Hernandez su 4½ anja di estudio tabata un grado den ingenieria mecanica. Awor el ta traha den Division di Material.

Roro Hernandez Back As Lago Engineer; Slide Rule Wins Over Tennis Racket

A Lago Scholarship Foundation grant paid off for Robert (Roro) Hernandez. Now he's back in Aruba with a degree in mechanical engineering from the Southern Illinois University.

Roro was re-employed as an engineer in Mechanical-Materials Division early this month. An LVS graduate, he left Lago as an engineering assistant in Mechanical Administration in September, 1961.

An avid tennis player, Roro dedicated some of his time to this sport in his first two years at college. But later, he had to choose between engineering and varsity tennis. One of his biggest moments on the courts was when he played against Cliff Drysdale, the sub-champ in Forrest Hills in 1965. As second and third best tennis player at school, he represented his alma mater in Texas, Kansas, Mississippi. He was also a tennis instructor during the summer programs and also taught one class for the University.

In June 1965, Roro earned the distinction of representing his school at the World Congress of Engineering Education Exhibition in Chicago. His exhibit was a laboratory device made of lu-

More Durable Hull Paints Now Used By Esso Tankers

Esso tankers around the world are now wearing new exterior hull coatings that resist salt spray, sunlight, pier scrapes, and oil spillage up to four times as long as conventional paints.

The smoother-than-conventional coatings not only make the tankers look trim but reduce the cost of marine operations. They lengthen the interval between dry-dock visits and reduce the friction of water against hull. The second benefit permits higher speeds and cuts down fuel consumption.

The different coatings used for three different sections of a tanker's hull and for the deck last from three to four years. Previously used paints had a life expectancy of six months to one year.

Members of the Engineering Technology Division at Esso Research and Engineering Company spent four years screening out ineffective coatings before they found the ones most resistant to ocean weather and dockside conditions.

Esso Research Harvests Rain By Using Asphalt

An Esso Research and Engineering Company technique for harvesting rainwater with asphalt paving has increased the "crop" 20-fold at the White Sands missile range in New Mexico, where the first large-scale test has been conducted.

Sixty per cent of the rainfall was collected and used from a nine-acre tract covered with low-cost asphalt coating, compared to three per cent from an adjacent nine-acre tract without coating.

Success Acknowledged

The U.S. Department of the Interior has acknowledged the success of the harvesting method, which offers relief through greater water supplies for many of the world's arid and semi-arid areas.

The department's Geological Survey said the test has "demonstrated the feasibility of 'waterproofing' plots of grounds... permitting the collection of substantial quantities of rainwater that otherwise would just wet the soil and evaporate uselessly."

Ground Water Level Up

The Geological Survey added that the collected water could be funneled into the ground through pits to raise the area's water table, as done in the Esso Research experiment, or used at once.

Esso Research started the experiment early last year in cooperation with the Geological Survey and the post engineer at the missile range. One tract was left in its natural state and the other was stripped of vegetation, then sprayed with a thin coat of asphalt.

Automatic rainfall recording devices measured how much of the area's annual precipitation of about eight inches flowed into the collection pits for each tract. The results show that the coated tract provided 130,000 gallons a year per acre. Most of the water that fell on the untreated tract either evaporated or passed into sparse grass and other low-value desert vegetation.

Advantages

The potential results of using asphalt-covered land include new range areas, increased runoff for rivers and replenished urban water supplies. The asphalt would also retard erosion and cut to a minimum the sediment that harvested water could carry into cisterns or reservoirs.

Esso Research scientists have estimated that a paved area six by nine miles could harvest enough water from an annual rainfall of 15 inches to provide eight billion gallons a year, enough to supply a city of 100,000 people or to irrigate 6,000 acres of land with three feet of water per acre.

The cost to carry out such projects would depend on the features of the terrain, the amount of rainfall, the size of the storage facilities, and the stripping of the vegetation before coating. Once an area is coated, however, the life of the project would be infinite as long as the area is recoated when necessary.

Roro Hernandez A Bolbe Como Ingeniero; Rekenliniaal A Vence Raqueta di Tennis

Un beurs di Lago Scholarship Foundation a resulta un exito pa Robert (Roro) Hernandez. Awor e ta bek na Lago cu grado di ingeniero mecanico cu diploma di universidad Southern Illinois.

Roro a bolbe drenta servicio di Lago cu puesto di ingeniero den Mechanical-Materials. E ta un graduado di Lago Vocational School. Dia cu el a bai studia e tabata un asistente di ingenieria den Mechanical Administration. Esaki tabata na September 1961.

Ya cu e ta un hungador feroz di tenis, Roro a dedica algu di su tempo na e deporte ey den su promer dos anja nan na colegio. Pero despues e mester a scohe entre studia ingenieria of un carrera di hunga tenis pa e universidad. Un di su momentonan mas grandi riba cancha di tenis tabata dia cu el a hunga contra Cliff Drysdale, sub-campeon na Forrest Hills na anja 1965. Como e di dos y di tres mehor hungador di su school, el a representa su universidad na Texas, Kansas y Mississippi. Tambe e tabata instructor di wega di tenis durante e programanan di verano; y tambe el a duna les na un klas di e universidad.

Na Juni 1965 Roro a gana e distincion di por a representa su school na Congreso Mundial di Exhibicion di Educacion di

Ingenieria na Chicago. Loke el a expone eynan tabata un aparato di laboratorio, trahá di plastic lucite, demostrando e teoria di Torricelli.

Poco tempo promer cu el a bolbe Aruba, e tabata presidente di e siman nacional di Ingenieria, teni na Februari di e anja aki, y maestro di ceremonia na un comemento duna na e ocasion ey.

Roro su opinion ta, cu hopi hoben di Aruba por bai studia na un universidad for di tera si

Esso Caracas Ta Promer Tanquero di Creole cu Tanki di Butane Riba Dek

Esso Caracas a drenta haf di San Nicolas dia 6 di april cu un construccion nobo riba su dek. E tanquero di Creole a caba di bini bek di drydock na Merca, caminda nan a instala riba su dek dos tanki rondo especial pa transporta gas di petroleo liquido.

Fuera di su carga di petroleo crudo, e tanquero di awor en adelante lo por transporta 2900 barril di butano liquido bao di presion.

Esso Caracas ta di promer barcu di Creole cu nan a traha tanki riba su dek, pa por transporta productonan di petroleo liquido bao di presion.



JUST BACK from drydocking in the U.S., Esso Caracas showed up in San Nicolas Harbor with two new deck tanks. **NET EL** a bolbe for di drydock na Merca, Esso Caracas a presenta den Haaf di San Nicolas cu dos tanki nobo.

nan tin boluntad fuerte y dedicacion pa studia. "Pero no ta facil, y bo mester dedica bo 100% na bo estudio" e ta bisa. El a menciona cu conocimiento di lenga Ingles ta un exigencia masha importante na e universidadnan Mericano.

Segun su estudio tabata bibrando mas pisá, Roro ta conta, su Señora Ramona tabata duné tur curashi pa sigi. Roro a completa su estudio di ingeniero den 4 anja y mei.

June First Is Deadline To Turn In Applications For Lago Summer Training

For the 12th consecutive year, Lago will offer on-the-job summer training to college students. The program runs from June 27 to August 19, 1966. Applications must be turned in before June 1. Forms are now available at the Training Division.

The program is open to children of Aruba residents who are enrolled at an accredited college. They must have successfully completed at least one year of college. Applications will be handled on a first-come, first-served basis depending on available job training openings.

Because of the limited opportunities, enrollment preference will be given to Aruban students to the extent possible.

A student grant-in-aid of Fls. 225 per four-week period will be provided.

The program's objective is to provide actual job experience in the student's major area.

Esso Caracas Is First Creole Tanker Equipped With Butane Deck Tanks

Esso Caracas made her appearance in the San Nicolas Harbor on April 6 with a new structure on her deck. The Creole tanker had just returned from drydocking in the U.S. where two special tanks for transporting liquefied petroleum gas were installed on deck.

In addition to crude cargo, the tanker will now be able to transport some 2900 barrels of liquefied butane.

The Esso Caracas is the first Creole ship to be equipped with deck tanks for transporting liquefied petroleum products.

Jersey Standard Ta Pronostica Mas Bende di Producto Petrolero na 1966

Puntonan di gran interes den e informe anual cu Standard Oil Company of New Jersey a manda pa 728,000 accionista, ta un pronosticacion masha favorabel cu ventanan di productonan di petroleo lo bira mas hopi na 1966, y un descripcion di reorganizacion di operacionnan di e compania.

Ventanan di e industria den extranhero probablemente lo subi 9% na 1966, mientras na Europa Occidental nan lo bende 10% mas, y 13% mas na Japon. Jersey tin speranza di participa notablemente den e aumento di ventanan den extranhero, caminda productonan trahá door di afiliadonan di Jersey ta representa dos-tercera parti di e produccion total di e compania. Na Merca aumento den demanda pa productonan di petroleo na 1966 probablemente lo ta un poco mas cu 3%.

Organizacionnan Regional

Jersey su plannan ta pa den futuro haci uso mas grandi di e organizacionnan regional, pa atende cu mas eficacia na e aumento di venta di zeta y gas den su operacionnan internacional, asina M. L. Haider, presidente di consejo di gerencia y J. K. Jamieson, presidente di e compania, ta bisa accionistanan den nan carta cu ta inclui den informe anual. Bao di e plannan aki, tres compania regional lo bira mas grandi den importancia y responsabilidad pa coordina operacionnan na America Latina, Africa y Lejano Oriente. Fuera di esey nan ta estableciendo un organizacion regional pa coordina operacionnan na Europa.

Perspectiva pa 1966

"Perspectiva di Jersey Standard pa resto di anja 1966 y despues ta favorabel" asina Señores Haider y Jamieson ta bisa. "Nos tin reservanan fuerte y di variacion di petroleo crudo, y nos ta sigui fuertemente buscando mas crudo pa medio di exploracion. Nos ta haciendo nos capacidad di refinacion mas grandi y cuidadosamente, pa nos por enfrenta necesidadnan cu ta bai aumentando. Nos tin organizacion di venta fuerte y activo pa bende productonan petrolero cual ta extende te den mas cu 100 nacion den mundo libre".

"Nos ventanan di gas natu-

ral, cual ya ta di mas grandi di cualkier compania Mericano, segun nos ta spera lo aumenta den Merca, na Europa, y na Australia caminda poco tempo pasá nos a descubri gas den cantidadnan comercial. Nos operacionnan quimico tambe ta bai aumentando, y segun nos por spera e negocio aki lo subi su contribucion na nos ganashinan.

Transportacion Moderno

Nos sistemanan di transportacion ta moderno y suficiente pa cubri necesidadnan di nos afiliadonan. Tambe nos tin e fortaleza financiero y flexible pa participa completamente den e exigencianan aumentando di henter mundo pa mas energia. Nos lo probecha completamente di e oportunidadnan pa haci inversionnan den futuro cu ta produci ganashi pa nos".

Señores Haider y Jamieson ta sigui informando, y nan ta bisa cu na anja 1965 Jersey Standard tabatin ganashi di mas cu mil miljon dollar pa di tres anja tras di otro. Ventanan di petroleo y su productonan riba henter mundo hací pa afiliadonan un bez mas a establece recordnan pa nos compania, cu un crecimiento di 7%, un poco mas cu den anjanan pasá. Produccion di petroleo crudo, como tambe operacionnan di refinacion, y ventanan di gas natural y substancianan quimica, tambe a subi na nivelnan cu a establece un record.

Entrada di Ventas

Total entrada for di ventas y inversiones na 1965 tabata 12.7 bilion dollar, locual ta 6 por ciento mas haltu cu 1964. Ganashi a yega un total di 1.036 milion dollar, locual ta igual cu \$4.81 pa cada accion pa anja 1965. Pa anja 1964 cada accion a gana \$4.87.

Empleadonan Di Awor Caba Por Entrega Peticion Pa Curso Di Instrumento

Lago lo cumenza un curso avanzá di instrumento aki poco dia. Nan lo haci uso di material cu ya ta programá caba. Tur empleado cu ta desea por tuma parti den e curso aki. Candidadonan lo mester pasa un test y seleccion lo ta basá riba nan aptitud pa sinja y nan prestacion actual na trabao.

E curso aki lo tuma un anja, mas of menos. Den klas nan lo duna les den electronica, quimica y fisica avanzá, y tambe den matematica avanzá. Equipo especial lo worde usá durante entrenamiento.

E entrenamiento aki lo haci posibel pa un instrumentman di futuro por traha cu instrumentonan di analisis mas perfeccioná cu actualmente ta na uso den process. Empleadonan interesá den e curso aki mester tuma contacto cu nan supervisor. Supervisornan lo haci arreglo necesario pa un entrevista y test pa medio di coordinador di programa J. J. R. Beaujon, telefoon 2424 of T. O. Lucas, telefon 2048.

MAS AWA

(Continúa di pagina 4)

den ciudadnan. Tambe asfalt ta stroba e capa di tera fertil bula bai cu biento; ademá e lodo cu awacero por lastra tira den regenbak ta worde reduci notablemente.

Cientistanan di Esso Research a calcula cu un tereno cubri cu asfalt di seis pa nuebe milja por recoge basta awa di un awacero cu un promedio di 15 duim pa anja, pa forma un cantidad di 8 miljar galon di awa. Esey ta suficiente pa un ciudad di 100,000 habitante, of pa muha 6000 bunder di tera cu tres pia di awa pa cada bunder.

Costo di un proyecto asina grandi ta depende com e tereno su estado ta, cantidad di awacero, con grandi tanki of regenbak ta, y rozamento di e tereno promer cu nan cubri cu asfalt. Pero una bez cu e tera ta cubri cu asfalt, e proyecto por dura te infinidad tantem cu e tera hanja un capa di asfalt ora ta necesario.

Jersey Standard Completes Movie About Man's Battle Against Famine

Recently Jersey Standard completed filming a motion picture about Man's race with hunger and famine and his chances of losing against today's amounting odds.

"Life in the Balance" is the title and theme of the half-hour film, and a world-wide effort to tip the balance in Man's favor is growths in almost every country. The world's three billion mouths to feed today will be six billion in another generation, the film warns.

Color photography from seven countries on three continents and on islands of the Far East draw the battle lines for this historic fight against hunger. The narration by film star Orson Welles dramatizes successes and failures in the age-old contest now in a critical stage.

No simple solutions seem possible, but "Life in the Balance" documents the science and skills the Jersey organization applies to agriculture's dilemma. Oil is its weapon and the battle-grounds range from the Esso Research Center in Linden to tropical rice fields in the Philippines.

Half A World Away

Half a world away, another research team headed by Tad Les, of Esso Research Ltd., in England, is shown making headway by pouring oil on North Africa's sea of sand. Water, the team found, is just a few inches down, but nothing will grow on a land in motion.

An oil spray on the surface anchors the sand, and young trees are already thriving by the millions in the now stationary dunes.

Irrigation and fertilizer will eventually reclaim land gone to waste since Roman times.

In sharply drawn contrasts between bountiful and blighted lands, the film shows that nature and man himself have brought on the food crisis. Man's initiative and genius are portrayed as the hopes for solutions that can avert disaster.

Soil, sun and rain — the essentials of agriculture — have helped and hindered in the struggle for food ever since

crops became Man's major food source. Too much or to little in unbalanced ratios have literally put life in the balance for whole continents.

Hunger, malnutrition and disease are now grim realities for almost half the human race. Threats of famine are brought desperately close by population

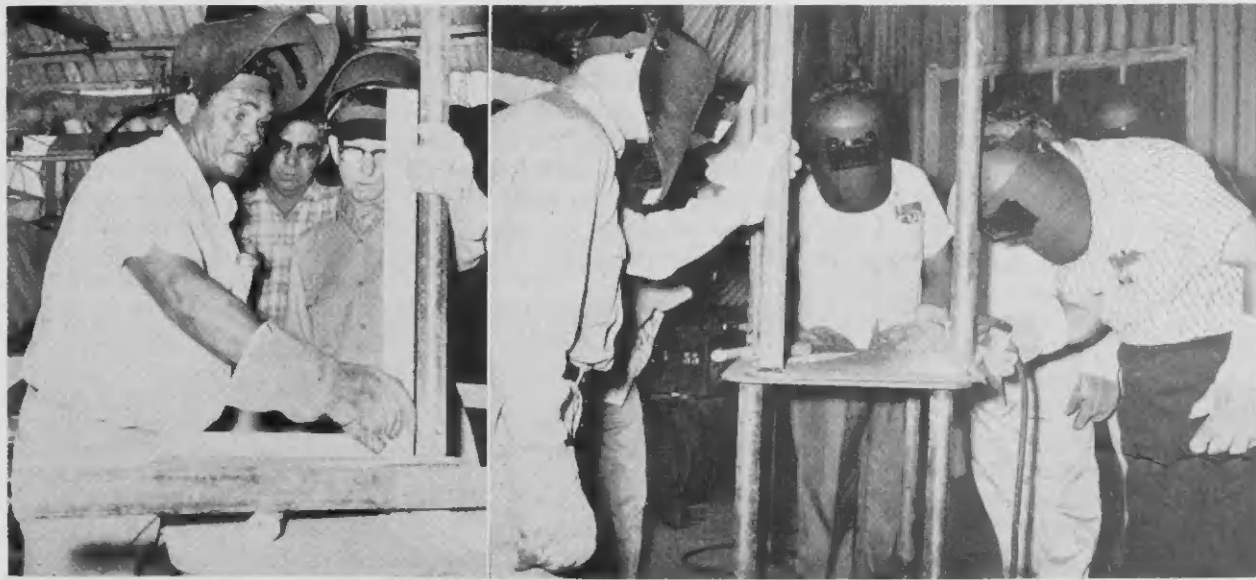
Over the centuries, man's mismanagement of land has produced vast deserts where crops once thrived. His harvest today is shifting sand which is not only nonproductive but a constant threat of burial for adjacent farmlands.

Where sands are no problem, primitive farming methods and depleted soils frequently limit crop yields and enslave farmers in toil and disappointments that have been their lot for thousands of years. "Millions of the world's farmers still work in ways familiar to Neolithic man," the film observes.

Insects and blights, growing more resistant to sprays, exact a toll which hungry people can no longer afford. Together these devour or spoil almost one-third of the crops man cultivates.

"Life in the Balance" is a warning of peril as well as a record of food problems and the progress of the Jersey organization. "Approaching famine is a fact," the documentary concludes. "But so is our will to survive. Scientists everywhere are finding answers. We must apply them fast. It is our obligation to create a harvest big enough for all mankind."

The film was produced by Equinox Films, Inc., with Gene Searchinger, its head, serving as producer-director and Jeri Sopanen its photographer. An original music score, composed and directed by David Diamond, reflects the film's mood.



PRECISION WELDING is checked with a square by Gabriel Ruiz. Instructor Harris checks the job, while M. S. Bislick watches the procedures (left). At right, Modesto Figaroa gets the feeling of the welding rod. A welding mask is essential for eye protection. The welding class began April 4 for the first group.

WELDMENTO DI precision ta worde controlá aki door di Gabriel Ruiz. Instructor Harris ta check e trabao, mientras M. S. Bislick ta mira e procedimiento (robez). Na man drechi ta pará Modesto Figaroa cu ta coi e pulso di e bara di metal cu ta worde usá pa weld. Un capa protectivo ta esencial pa proteccion di wowonan.



THE FIRST group taking the welding course started April 4. Chicago Bridge's George F. Harris is instructor. The group includes: (L to R) Modesto Figaroa, Nasario Trinidad, Gabriel D. Ruiz, the instructor, Maximo S. Bislick and Dominico Maduro.

E PROMER grupo ta tumando curso di weld cual a cumenza 4 di April. Instructor ta George F. Harris, empleado di Chicago Bridge. Den e grupo nos ta mira di robez pa drechi: Modesto Figaroa, Nasario Trinidad, Gabriel D. Ruiz, Instructor Harris, Maximo S. Bislick y Dominico Maduro.